



<https://www.jobzafrican.online/job/automation-control-solutions-internship/>

## Automation Control Solutions Internship 2024 / 2025 New Application

### Description

The Automation Control Solutions Internship provides an immersive learning experience for individuals interested in pursuing a career in automation engineering. As an intern, you will work closely with our experienced automation engineers and technicians to support the design, development, implementation, and maintenance of automation control systems. This internship will enhance your technical skills, expand your knowledge of automation technologies, and provide practical exposure to real-world projects.

### Responsibilities

- Assist in the design, development, and testing of automation control systems for industrial processes.
- Collaborate with the engineering team to configure and program programmable logic controllers (PLCs), human-machine interfaces (HMIs), and other automation devices.
- Support the installation and commissioning of automation control systems at client sites.
- Conduct troubleshooting and diagnostics of automation systems to identify and resolve technical issues.
- Participate in system integration activities, including the integration of various hardware and software components.
- Contribute to the preparation of technical documentation, such as system specifications, user manuals, and training materials.
- Collaborate with the team to perform risk assessments and ensure compliance with safety standards and regulations.
- Assist in conducting system performance tests and data analysis to evaluate system efficiency and identify areas for improvement.
- Stay updated on emerging automation technologies and industry trends to contribute innovative ideas and solutions.
- Adhere to company policies, procedures, and quality standards while maintaining a safe and productive work environment.

### Qualifications

- Currently pursuing a degree in automation engineering, electrical engineering, or a related field. Recent graduates may also be considered.
- Solid understanding of automation concepts, including PLC programming, HMI design, and control systems.
- Proficiency in programming languages commonly used in automation, such as ladder logic and structured text.
- Familiarity with automation software tools and platforms, such as Siemens, Allen-Bradley, or Schneider Electric.
- Strong analytical and problem-solving skills to diagnose and troubleshoot automation issues.
- Excellent communication and interpersonal skills to collaborate effectively within a multidisciplinary team.

### Hiring organization

Automation Control Solutions

### Employment Type

Intern

### Duration of employment

3 Months

### Industry

Industrial Machinery Manufacturing

### Job Location

Roodepoort, Gauteng, South Africa,  
1724, Roodepoort, Gauteng, South Africa

### Working Hours

09

### Date posted

September 30, 2024

### Valid through

10.07.2025

- Ability to work independently, take initiative, and manage multiple tasks with attention to detail.
- Knowledge of industrial processes and equipment is advantageous.
- Understanding of safety regulations and risk assessment methodologies in an industrial setting is a plus.
- Eagerness to learn and a passion for automation technology and its applications in various industries.

## Job Benefits

- **Hands-on Experience:** Interns gain valuable hands-on experience in automation engineering by working on real-world projects and collaborating with experienced professionals. This practical exposure enhances their technical skills and understanding of automation control systems.
- **Professional Development:** The internship program provides opportunities for interns to develop their professional skills, such as problem-solving, teamwork, communication, and project management. They can also enhance their knowledge of industry-specific software and tools.
- **Mentorship and Networking:** Interns have the chance to work closely with experienced automation engineers who can serve as mentors, providing guidance and support. This interaction fosters valuable professional relationships and expands their network within the automation engineering field.
- **Industry Insight:** Interns gain a deeper understanding of the automation industry, including its applications across different sectors. They learn about the latest technologies, trends, and best practices in automation control solutions, positioning them for future career growth.
- **Exposure to Diverse Projects:** Interns may have the opportunity to work on a variety of projects in different industries, exposing them to various automation control challenges and solutions. This exposure broadens their knowledge and equips them with a versatile skill set.
- **Professional References:** Successful completion of an internship program can lead to strong professional references from supervisors and mentors. These references can be valuable when applying for future job opportunities or graduate studies.
- **Potential Career Opportunities:** Internships often serve as a pathway to potential full-time employment within the organization or in the automation engineering field. Exceptional interns may be considered for entry-level positions based on their performance and fit within the company culture.
- **Learning Environment:** Interns have access to a supportive learning environment where they can ask questions, seek guidance, and receive feedback on their work. This promotes continuous learning and professional growth throughout the internship.
- **Compensation:** Some internship programs may offer financial compensation, stipends, or benefits to interns. While this may vary, it provides additional support for interns during their internship period.

## Contacts

- **Research:** Gather information about companies or organizations offering internships in the field of automation control solutions. Explore their websites, social media profiles, and job boards to find internship opportunities.
- **Prepare your documents:** Update your resume to highlight your relevant education, coursework, skills, and any relevant experiences or projects. Tailor your resume to showcase your interest in automation engineering and your qualifications for the internship. Prepare a cover letter expressing your

interest in the internship and explaining why you are a suitable candidate.

- **Identify potential companies:** Create a list of companies or organizations that align with your career goals and offer internship opportunities in automation control solutions. Research their internship programs, application requirements, and deadlines.
- **Submit your application:** Follow the application instructions provided by each company. This may involve submitting your resume, cover letter, and any other required documents through their online application portal or via email. Pay attention to any specific formatting or file requirements mentioned.
- **Tailor your application:** Customize your application materials for each company to showcase your understanding of their organization and your specific interest in automation control solutions. Highlight any relevant coursework, projects, or experiences that align with their requirements.
- **Follow up:** After submitting your application, consider sending a follow-up email to express your continued interest and to confirm that your application has been received. This demonstrates your enthusiasm and professionalism.
- **Interview process:** If your application is shortlisted, you may be invited for an interview. Prepare for the interview by researching the company, reviewing common interview questions, and practicing your responses. Dress professionally and arrive on time for the interview.
- **Acceptance or rejection:** After the interview process, the company will inform you of their decision. If you are offered the internship, carefully review any offer or agreement provided. It may outline the terms and conditions of your internship, including the start date, duration, compensation (if applicable), and any additional requirements.